



2022 PDA Robotics and Automation Conference
Digital Evolution within the Pharma Industry- from Pitfalls to Fast Track Implementation
Dublin/Ireland
16-17 May 2022

Monday, 16 May 2022		09:00 – 18:00
09:00	Welcome and Introduction	Falk Klar, <i>PDA Europe</i>
09:05	Welcome from the Chairs	Martin Döblin, <i>One One Eleven</i> Toni Manzano, <i>Aizon</i>
09:15	Opening Keynote Beyond Robotics: State of the Art Automation Solutions for Pharma	Fabian Stutz, <i>Pharmabotix</i>
Opening Plenary: Current State of the Industry		Moderator: Toni Manzano, <i>Aizon</i>
09:40	How the Association of Food and Drug Officials support the AI Implementation in Biopharma	Timothy W. Hsu, <i>AFDO/RAPS</i>
10:00	Robotics for advanced in vitro organ degeneration models for musculoskeletal research	Philipp Schmid, <i>CSEM</i>
10:20	How Robotic Solutions Can Futureproof Pharmaceutical Production	Rudolf Weiss, <i>Stäubli Tec-Systems</i>
10:40	Panel Discussion	Moderator: Toni Manzano, <i>Aizon</i>
11:15	Coffee Break, Poster Session & Exhibition	
Session 1: Digital Transformation		Moderator: Yvonne Duckworth, <i>CRB Group</i>
11:45	Enhanced Data Integrity and Real-Time Recording in Microbiological Quality Control	Claude Dedry, <i>salamanderU</i> Markus Prengel, <i>Merck KGaA</i>



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12:10	Digital Transformation: Utilisation of Cloud-Based Digital Tools to Improve Efficiency & Facilitate GxP Compliance	Oisín Curran, <i>Odyssey VC</i>
12:35	Q&A, Discussion	Moderator: Yvonne Duckworth, <i>CRB Group</i>
13:05	Lunch Break, Exhibition & Poster Session	
Session 2: Lab Automation		Moderator: Dieter Bachmann, <i>Janssen J&J</i>
14:05	Future of Robotics & Automation in Quality Control	Anke Hossfeld, <i>Merck KGaA</i>
14:25	How Automation and Robotics form part of the 6A's of the Laboratory of the Future	Kieron McGrath, <i>PM Group</i>
14:45	A Glimpse into the Future of Automated Environmental Monitoring	Aram Montazami, <i>Novatek</i> Anne-Grit Klees, <i>Merck KGaA</i>
15:05	Q&A, Discussion	Moderator: Dieter Bachmann, <i>Janssen J&J</i>
15:30	Coffee Break, Poster Session & Exhibition	
Session 3: Manufacturing Processes		Moderator: Marilyn Romieux, <i>Merck KGaA</i>
16:00	The facility on Robotics for Aseptic Manufacturing	Richard Denk, <i>SKAN</i>
16:25	Fully automated handling: From pallet through inspection back to pallet – without any operator intervention	Rupert Depner, <i>Körber Pharma Inspection</i> Yannick Danguel, <i>Eli Lilly</i>
16:50	Autonomous Movement of Robots Between Control Non-Classified and Grade D Areas	David Wolton, <i>Takeda</i>



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17:15	Q&A, Discussion	Moderator: Marilyn Romieux, <i>Merck KGaA</i>
17:45	End of Conference Day 1 & Networking Event	

Tuesday, 17 May 2022		09:00 – 16:30	
Session 4: From Artificial Intelligence in Research & Development to Process Control in Cell & Gene		Moderator: Christine Eckardt, <i>Johnson & Johnson</i>	
09:05	On-line Monitoring of Cellular Dynamics in Culture Bioreactors	Thomas Guyon, <i>Ovizio Imaging Systems</i>	
09:30	Synthetic Data Generation Utilising Artificial Intelligence - Proven Opportunities for Biopharma and Robotics	David Hubmayr, <i>CSL Behring</i>	
10:00	Q&A, Discussion	Moderator: Christine Eckardt, <i>Johnson & Johnson</i>	
10:30	Coffee Break, Poster Session & Exhibition		
Session 5: Round Table Discussions		Moderator: Florian Huber, <i>TissUse</i>	
11:00	Introduction to Round Table Discussions		
Moderator: Toni Manzano, <i>Aizon</i>		Moderator: Martin Döblin, <i>One One Eleven</i>	Moderator: Philipp Schmid, <i>CSEM</i>
			Moderator: Yvonne Duckworth, <i>CRB Group</i>



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Data Integration – Working Group: Planning for and integrating data to enable machine learning	Process Validation - Working Group: Moving to a state of continuous validation by integrated data and machine learning	Biopharmaceutical Manufacturing – Working Group: ATMP: Production scalability challenges for robotics, sensors, and novel equipment	Sterile Processing / Parenteral Drug Manufacturing – Working Group: Challenges and lessons learned automating sterile operations
11:45	Summary of Round Tables & Take-Home Message		
12:30	Lunch Break, Poster Session & Exhibition		
Closing Plenary: Current State of the Art in the Pharma Industry and Next Steps		Moderator: Martin Düblin, <i>One One Eleven</i>	
13:30	AI Good Practices in Continued Process Verification: The Path to Integrate Multivariate Control Automation in Biopharmaceutical Manufacturing	Joeri van Wijngaarden, <i>Aizon</i>	
14:00	Laying the Foundation for Modern Robotics - An Introduction to the Robotics Network Team and Current Projects	Markus Stuebchen, <i>F. Hoffmann - La Roche</i>	
14:30	Coffee Break, Poster Session & Exhibition		
15:00	mRNA Drug Manufacturing Controlled by a Digital Twin	Cleo Kontoravdi, <i>Imperial College of London</i>	
15:30	Closing Panel Discussion		Moderator: Martin Düblin, <i>One One Eleven</i>
16:15	Conference Summary and Take-Home Message		Toni Manzano, <i>Aizon</i> Martin Düblin, <i>One One Eleven</i>
16:25	Closing Remarks & Farewell		Falk Klar, <i>PDA Europe</i>
16:30	End of Conference		



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Agenda is subject to change without notice, all speakers invited and pending confirmation